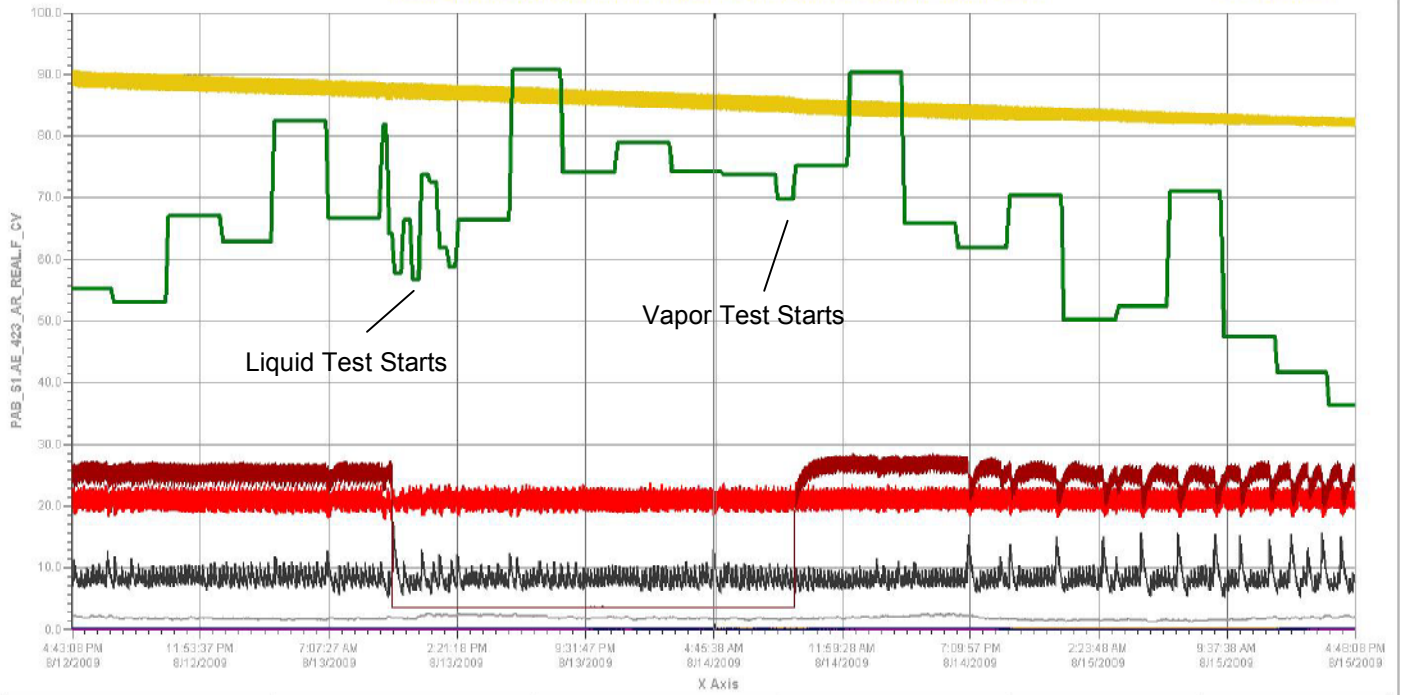


PAB Materials Test System	
Date of Receipt	8/24/2009
Sample Name/Description	Carbon Filter Material
Sample	
Composition:	
Picture Location:	elog #1000
Density:	x
Weight:	x
Dimensions/Area:	x
Source:	Rich Schmitt
Preparation:	Flashed with LAr, put into centered metal filter cartridge and baked at 250F in the vacuum oven for 17hrs
Submerging in LAr or LH2	Flashed
Zero Test	x
Time in the airlock(hrs)	24.5hrs
Purge:	
Vacuum:	8/12/09 10:15am 8/13/09 10:40, Turbo for 20hrs, pressure 4x10-6Torr
Vapor Test 1	
Start Time/Date, End Time/Date :	8/14/09 9:15am, 8/18/09 7:00pm
PrM run # :	5787
Condenser state:	On
Filter state:	On
O2 reading:	0 ppm
H2O reading:	0 (-0.66) ppb
Temperature:	195K
Lifetime:	11ms before test, 4ms at the end
Vapor Test 2	
Start Time/Date, End Time/Date :	x
PrM run # :	
Condenser state:	
Filter state:	
O2 reading:	
H2O reading:	
Temperature:	
Lifetime:	
Liquid Test	
Start Time/Date, End Time/Date :	8/13/09 10:40am, 8/14/09 9:15am
PrM run # :	5772
Condenser state:	On
Filter state/settings:	On
O2 reading:	0 (-0.7ppb)
H2O reading:	Halo 2.1ppb, LaserTrace 0.7ppb
Temperature:	94.5K
Lifetime:	8.7ms 2min after submerging in LAr, 12ms 24h after
Liquid level :	26.4 inches
Results & Comments	Carbon Filter Material can be used in low temperatures.

LUKE HISTORICAL DATA - H2O, O2, Pressure, LN2 and LAr Level

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PenName	Description	Value	Eng Units	High Over Range	Low Over Range
PAB_S1.AE_423_AR_REAL_F_CV	HALO H2O meter (F_CV)	1.55	ppb	2.41	1.04
PAB_S1.CRYOSTAT_PRESSURE_PSI0...	Luke Vapor Pressure	16.23	psig	20.13	13.24
PAB_S1.LT_10_N2_F_CV	Luke Condenser LN2 Level Probe (F_CV)	11.87	inches	17.38	5.03
PAB_S1.LT_13_AR_REAL_F_CV	Luke Argon Level Probe	25.77	inches	27.17	24.44
PAB_S1.AE_350_AR_REAL_F_CV	Nano Trace oxygen analyzer output (F_CV)	-0.00	ppm	-0.00	-0.00
Luke.FRM_LIFETIME_F_CV	Luke.FRM_LIFETIME_F_CV	0.0111	sec	0.0136	0.0054
Luke.FRM_IMPURTES_F_CV	Luke.FRM_IMPURTES_F_CV	0	imps	0	0
PAB_S1.AE_311_AR_REAL_F_CV	Oxygen monitor connected to air lock purge	0	ppm	0	0
PAB_S1.TE_324_AR_REAL_F_CV	Luke material elevator RTD (F_CV)	95	K	199	94

